

Experiment Number: 792835

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N-Nitrosomorpholine

CAS Number: 59-89-2

Date Report Requested: 09/18/2018

Time Report Requested: 06:09:07

NTP Study Number: 792835

Study Result: Positive

Experiment Number: 792835

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Mutagenicity

G06: Ames Summary Data

Test Compound: N-Nitrosomorpholine

CAS Number: 59-89-2

Date Report Requested: 09/18/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	103 ± 4.0	155 ± 14.7	112 ± 12.5	139 ± 2.6	141 ± 1.2
0.3					182 ± 8.4
1.0				203 ± 14.9	
3.0				228 ± 4.4	220 ± 7.3
10.0				301 ± 5.8	
33.0			118 ± 12.0	313 ± 21.1	360 ± 13.2
66.0					572 ± 31.5
100.0	104 ± 12.8	272 ± 10.2	213 ± 8.1	620 ± 46.9	662 ± 43.1
333.0	115 ± 3.8	366 ± 29.2	617 ± 13.1		
1000.0	127 ± 5.8	539 ± 42.9	816 ± 60.2		
1666.0			952 ± 30.3		
3333.0	112 ± 6.1	857 ± 42.1			
6666.0	95 ± 8.4				
10000.0		1087 ± 83.6			
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²			498 ± 9.8	654 ± 45.6	553 ± 54.3
Positive Control ³	402 ± 23.7				
Positive Control ⁴		615 ± 41.0			

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **N-Nitrosomorpholine**

Time Report Requested: 06:09:07

CAS Number: 59-89-2

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	27 ± 6.7	31 ± 6.1	18 ± 2.9	37 ± 3.5	31 ± 0.9
1.0					28 ± 2.2
3.0					26 ± 0.3
10.0					21 ± 1.5
33.0					28 ± 5.2
100.0	32 ± 2.6		17 ± 0.7	36 ± 4.0	37 ± 3.3
333.0	35 ± 2.4	23 ± 1.7	13 ± 0.0	31 ± 3.8	
1000.0	47 ± 2.4	24 ± 2.2	19 ± 2.4	29 ± 4.4	
1666.0		26 ± 3.8			
3333.0	111 ± 7.6	30 ± 2.5	23 ± 4.7	31 ± 3.5	
6666.0	184 ± 1.3	50 ± 9.9	22 ± 2.8		
10000.0				39 ± 3.0	
Trial Summary	Positive	Negative	Negative	Negative	Negative
Positive Control ²				168 ± 7.3	367 ± 30.9
Positive Control ⁵	495 ± 25.5	452 ± 18.6	374 ± 15.0		

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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****